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clear honey is desired, it may be strained through silk. The native wild combs contain no wax. The larvae are sometimes eaten, either toasted in their cells or fried. The latter method of preparation involves picking the larvae out of the cells. Yet another method is to toast the larvae with onion, chile, and salt. The latter method is said to be especially tasty, but probably only *panaleros* ever use any of these methods very often.[5]

The larvae of another insect, the *truspanal* (*jicotera* in La Cañada), are also collected and eaten occasionally. This insect resembles the native bee but is a little larger and makes its nest in the ground to depths of 1 meter (3 ft.) or more. No other animal food is collected and the use of the eggs of wild birds was denied with every evidence of distaste.

USE OF MINERALS

Stone, volcanic cinders, and clay are the three mineral resources utilized in Cherán. Tuffs and lavas are employed for house building, foundations, and fences. The materials occur either in the town itself or in barrancas within a few hundred yards of the town. Volcanic cinders are also quarried out of the sides of barrancas, often within the town, and are employed to spread over slippery places on trails, streets, and yards. The supply of materials far exceeds demand, and the public domain affords all needed supplies.

Most of the rock used in Cherán comes from a quarry on the west face of the hill of Santa Karákua (also called Santiákujákua) within the village. Most of the rock is prised out of the upper face of the quarry in large pieces, which usually are broken up in the fall to the foot of the quarry. The broken rock is then placed in piles, which later comers will not molest. Smaller rocks and spalls are abundant and anyone may help himself to these. The rocks are usually packed by tying them on burros with ropes, while small pieces may be placed in nets or in pack boxes.

Clay is somewhat more scarce. It is used only for tilemaking and brickmaking, as no one in Cherán makes pottery. A sufficient supply of clay for all present needs is dug out

[5] At Sopeo in La Cañada, Rendón was told that the larvae are sometimes eaten raw.

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337 either from the sides of public roads or from fields, with the permission of the owner. It is [492] dug with pick and shovel, put in bags, and taken into town on muleback.

333 Adobes (adóbi) and adobe mortar are made from any convenient fine earth mixed with manure. In some towns dry pine needles (*"huinomo"*)* or wheat or barley straw is used. The mud (adímu) for adobes is mixed in a depression in the ground. Dry earth is first mixed with manure and water is added, in the proportion of 10 loads (*carretilladas*) of earth, half a sack of manure or straw, and 10 five-gallon tins of water. The mud is then mixed with a spade for about 3 hours.

A wooden frame (*marco* or *adobera*), the size of the brick to be made, is now placed on carefully leveled ground. Mud is placed in the frame and pressed down well with the hands to insure complete filling of the space. The frame is now lifted off and washed in preparation for making the next adobe. The adobes are allowed to dry for 8 days, first in the original position and then on edge.

The usual size of adobes is 60 by 40 by 10 cm., or 2½ spans long. Cherán makes this size and also a brick 3 spans in length.

WATER SUPPLY

312 Cherán has a better water supply than most Tarascan towns, but it is still far from adequate. The larger of the barrancas through town often has flowing water, but this is used only for watering animals and washing clothes, as it is not considered pure enough to drink. At one spot, however, there are a number of small springs in the walls of the barranca. These have been improved by building cement tanks to accumulate the rather small flow, and people from the *barrio* of Paricutin and some other nearby residents obtain their water from the springs.

About 10 years ago an aqueduct was built to large springs near the base of the mountain, El Pilón, a distance of 15 km. (9 mi.). A 2-inch pipe line was laid, but the pipe reached only to the edge of town. From the end of the pipe the water is carried to the center of town by an arrangement of hand-hewn wooden

[104] *Words regarded in Cherán as Spanish but which either do not appear in dictionaries or have special local meanings are placed in quotation marks.

324 stone work used as doorjambs, door corners, and bases for the pillars of verandas where these rest on the ground.

TILE AND BRICK

339 Tile and brick are little used. Some tile roofs are seen and tiles are sometimes laid over a shake roof when the latter is worn out. Both tile and [317] brick are made from clay occuring near the town. The dry clay is brought to town on burros. The manufacture is carried on in an old chapel, and firing is in a kiln, both located in the church compound. The quality is poor and the demand is small.

MISCELLANEOUS

353 Adobe-and-masonry walls are commonly fin-
439 ished on the inside and, less frequently, on the
[338] outside, with a coat of sand and lime plaster. This material is always imported. So, too, are the pigments used in whitewash or kalsomine finishes employed to decorate plastered walls.

TYPES OF
STRUCTURES

343

FIGURE 3.—Old "*troje*" in Cherán, said to have been built before the Revolution.

343 *la tarima*" (uanájɣukua). The foundation beams
335 are square, from a third to a fourth of a *vara* (about 8 to 10 inches) in cross section, but the crosspiece is thinner by the thickness of the floor boards.

The two longest foundation beams and the